



CTEH® Project #40442
West Fertilizer Plant Explosion
Summary of Air Monitoring Results
May 7, 2013 10:00

This data report discusses real-time air monitoring data collected between 5/6/2013 07:00 and 5/7/2013 07:00 in support of remediation operations conducted near the West Fertilizer Plant Explosion in West, TX.

Real-time air monitoring was conducted for VOCs (Volatile Organic Compounds) and ammonia (NH₃) using remote-telemetry RAESystems® AreaRAEs.

Table 1 (below) displays the data summary for AreaRAE instruments. Hand-held instruments were not employed during this period. Site maps and charts are available as attachments.

Table 1
Data Logged Stationary AreaRAE Monitoring Stations
05/06/2013 07:00 to 05/07/2013 07:00

Unit	Analyte	Count of Readings	Count of Detections	Average of Detections	Max Detection
AR13	NH3	5733	0	NA	< 1 ppm
	VOC	5733	0	NA	< 0.1 ppm
AR14	NH3	5612	0	NA	< 1 ppm
	VOC	5612	0	NA	< 0.1 ppm
AR16 Mobile Down Wind Unit	NH3	5727	0	NA	< 1 ppm
	VOC	5727	0	NA	< 0.1 ppm
AR17	NH3	5729	0	NA	< 1 ppm
	VOC	5729	0	NA	< 0.1 ppm
AR18	NH3	5739	0	NA	< 1 ppm
	VOC	5739	0	NA	< 0.1 ppm

¹The data in this table may include electronic drift. Drift is defined as any interference in the electrochemical sensor's ability to accurately report the concentration of a chemical in the atmosphere. Humidity and temperature changes throughout the monitoring period are typical sources of drift. Additionally, the data has not undergone complete QA/QC as of this time.



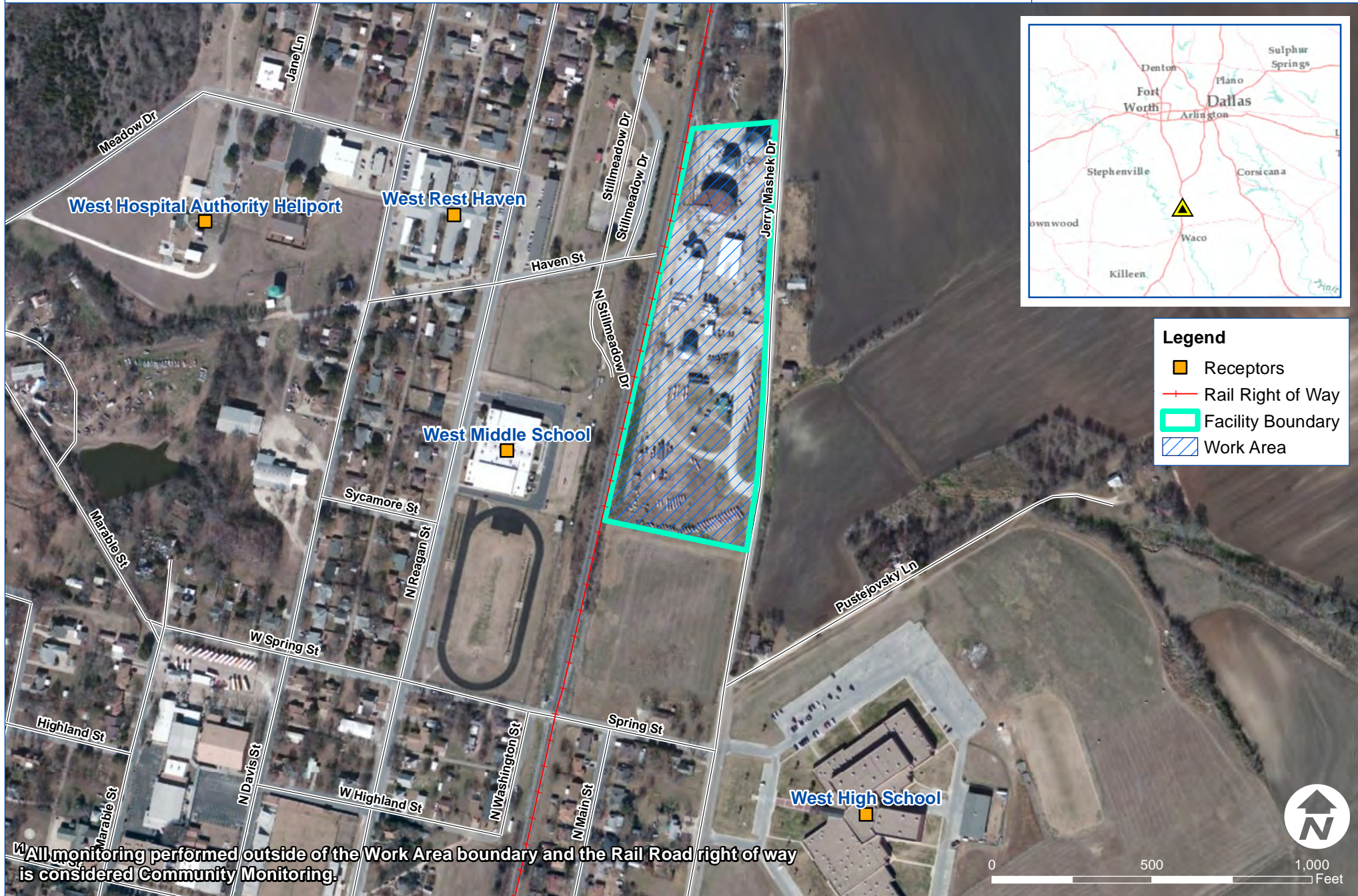
CENTER FOR TOXICOLOGY
AND ENVIRONMENTAL HEALTH, LLC

Appendix



Air Monitoring Zone Classifications¹ May 07, 2013

Project: 40442
Client: OMI
City: West, TX
County: McLennan

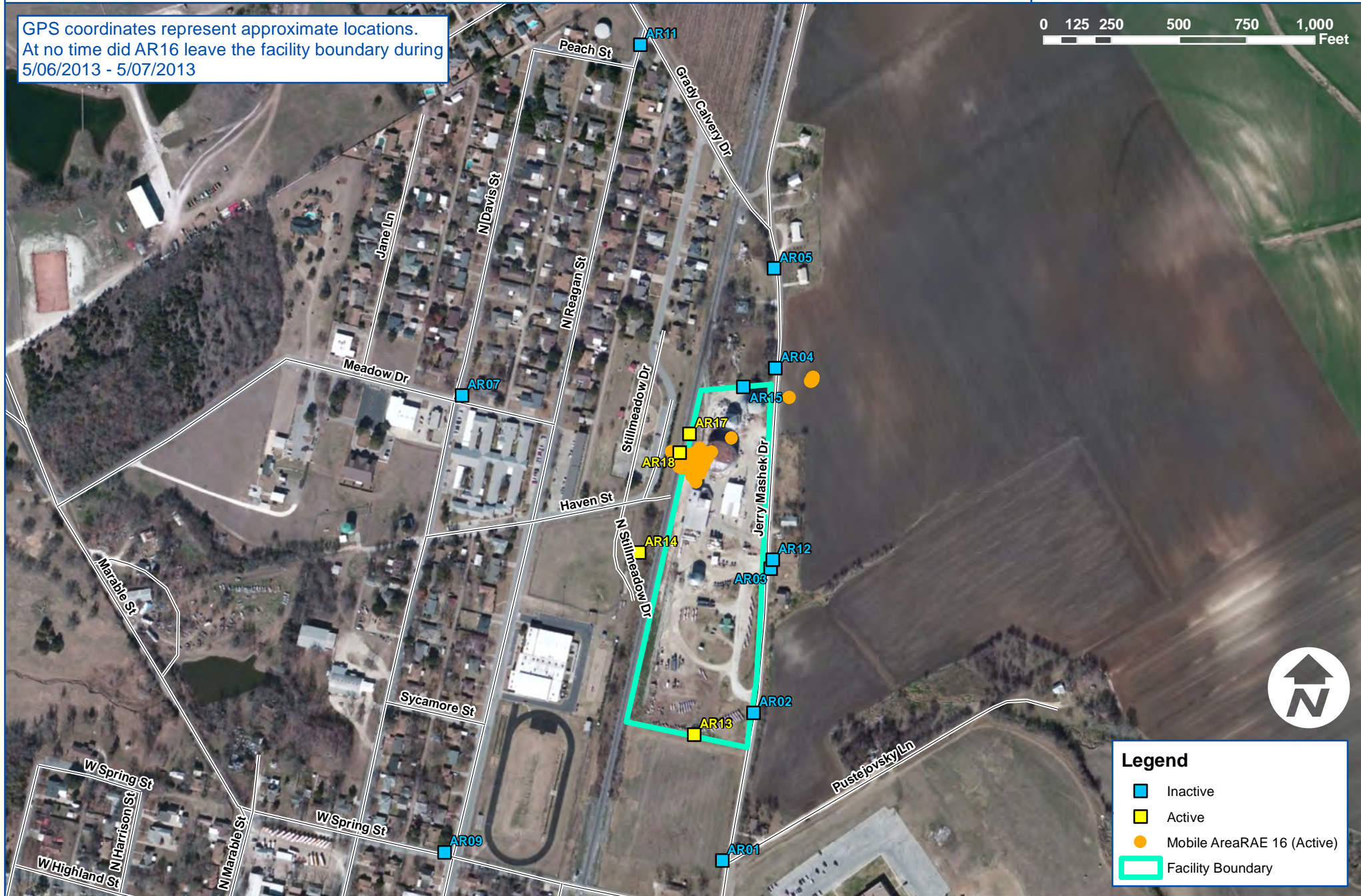


AreaRAE Monitoring Station Locations 5/07/2013

Project: 40442
Client: OMI
City: West, TX
County: McLennan

GPS coordinates represent approximate locations.
At no time did AR16 leave the facility boundary during
5/06/2013 - 5/07/2013

0 125 250 500 750 1,000
Feet



Legend

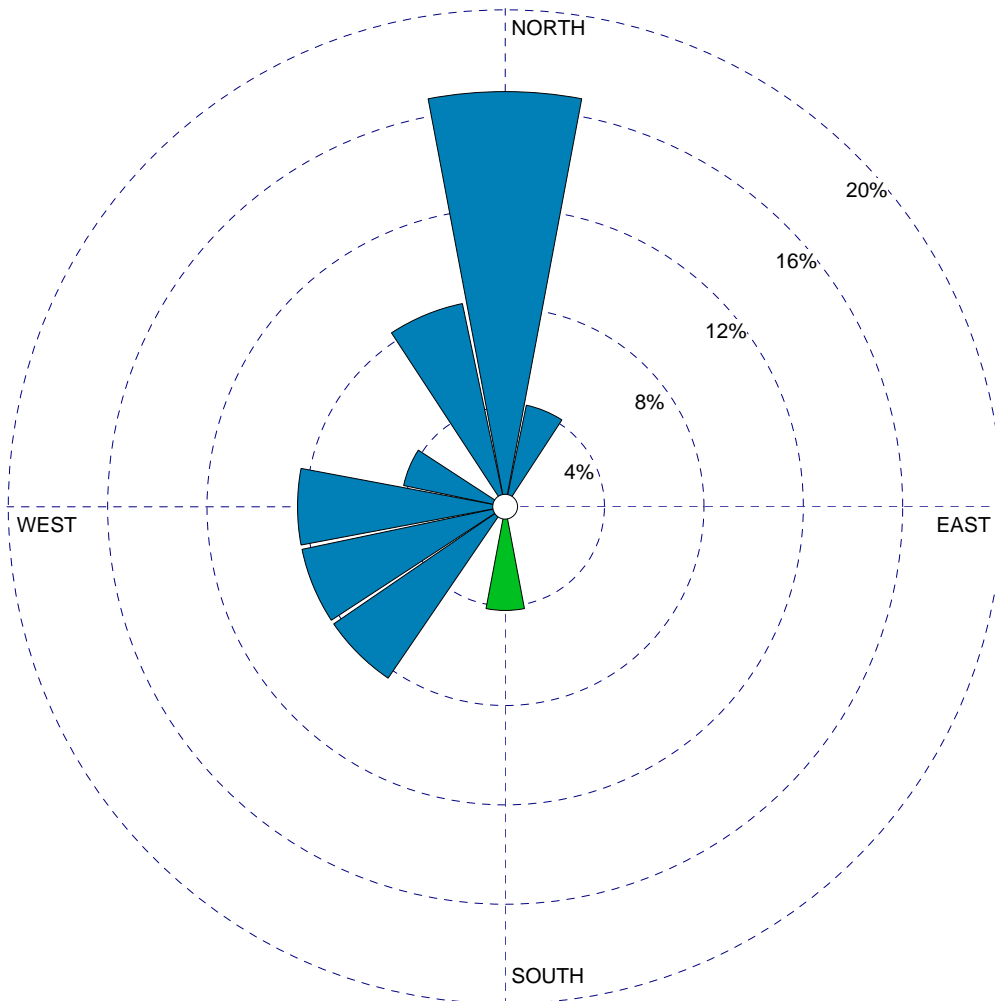
- Inactive
- Active
- Mobile AreaRAE 16 (Active)
- Facility Boundary

WIND ROSE PLOT:

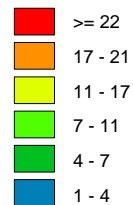
Wind Speed and Direction 5/6/2013 07:00 to 5/7/2013 07:00
West, TX

DISPLAY:

Wind Speed
Direction (blowing from)



WIND SPEED
(Knots)



Calms: 37.50%

COMMENTS:

Met Station: KACT Waco, TX

COMPANY NAME:

CTEH

MODELER:

Lloyd Long

CALM WINDS:

37.50%

AVG. WIND SPEED:

2.25 Knots



PROJECT NO.:

40442-OMI